



# SPYWOLF

## Security Audit Report



Completed on  
**June 27, 2023**

@SPYWOLFNETWORK



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SPYWOLF.CO





# OVERVIEW

This audit has been prepared for **DogeWar III** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

*The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal*

- SPYWOLF Team -

”





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# DogeWar III



## PROJECT DESCRIPTION

### According to their website:

DogeWar III is a Metaverse project that aims to dig deep into the crypto play-to-earn game, through the technology of the Metaverse. Making sure that players of this game gets along pretty well with the game play, by first acquiring a character NFT. This NFT will serve as the player's avatar, as well as the playable in-game character.

**Release Date:** Presale starts in June, 2023

**Category:** Metaverse / Play to earn (P2E)





# CONTRACT INFO

Token Name  
Doge War III

Symbol  
DogeWar

Contract Address

0x17AFa0669FB48D2b265CEAF4192146E653859E9b

Network

Binance Smart Chain

Language

Solidity

Deployment Date

Jun 15, 2023

Verified?

Yes

Total Supply

100,000,000,000,000,000

Status

Not launched

## TAXES

Buy Tax

**5%**

Sell Tax

**5%**

\*Taxes can be changed in future



## Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

### Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



# TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	1000000000000000000 DogeWar
Median Transfer Amount	1000000000000000000 DogeWar
Average Transfer Amount	1000000000000000000 DogeWar
First transfer date	2023-06-15
Last transfer date	2023-06-15
Days token transferred	1

# SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	Jun-15-2023 02:37:37 AM +UTC
Created	Jun-15-2023 02:37:37 AM +UTC
Create TX	0x9af1f2e7f62587371402b3ae6e715ab1078cf5be5444e84cb53ef8314950de34
Creator	0x56ce5bce38ccf8312966acc8d918c9f6afa0a3aa



# VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



# THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

## High Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Medium Risk

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Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Low Risk

---

Issues on this level are minor details and warning that can remain unfixed.

## Informational

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Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.





# FOUND THREATS

## ⚠ Medium Risk

Owner can change contract's autoswap settings.  
If swapEnabled is true, swapTokensAtAmount is 0 and contract's token balance is 0, contract will halt on sell and selling will fail for every address which is not excluded from fees.

```
function updateSwapEnabled(bool _enabled) external onlyOwner {
    swapEnabled = _enabled;
}

function updateSwapTokensAtAmount(uint256 amount) external onlyOwner {
    require(amount <= 1e7, "Cannot set swap threshold amount higher than 1% of tokens");
    swapTokensAtAmount = amount * 10**_decimals;
}

function _transfer(
    address from,
    address to,
    uint256 amount
) private {
    .....
    bool canSwap = balanceOf(address(this)) >= swapTokensAtAmount;
    if (
        !swapping &&
        swapEnabled &&
        canSwap &&
        from != pair &&
        !_isExcludedFromFee[from] &&
        !_isExcludedFromFee[to]
    ) {
        if (to == pair) swapAndLiquify(swapTokensAtAmount, sellTaxes);
        else swapAndLiquify(swapTokensAtAmount, taxes);
    }
    .....
}
```

- Recommendation:
  - Ensure that swapTokensAtAmount's value is always above 1 token (consider decimals).



## Informational

Owner can set buy/sell fees up to 10%.

Combined buy+sell = 20%.

When fees are above 0, there will be certain amount of tokens that will be deducted from every transaction that users make.

Deducted amount will be as much as the fees % from total amount that user had bought, sold and/or transferred.

```
function setTaxes(  
    uint256 _rfi,  
    uint256 _marketing,  
    uint256 _ops,  
    uint256 _liquidity,  
    uint256 _dev  
) public onlyOwner {  
    require((_rfi + _marketing + _ops + _liquidity + _dev) <= 10, "Must keep fees at 10% or less");  
    taxes = Taxes(_rfi, _marketing, _ops, _liquidity, _dev);  
    emit FeesChanged();  
}  
  
function setSellTaxes(  
    uint256 _rfi,  
    uint256 _marketing,  
    uint256 _ops,  
    uint256 _liquidity,  
    uint256 _dev  
) public onlyOwner {  
    require((_rfi + _marketing + _ops + _liquidity + _dev) <= 10, "Must keep fees at 10% or less");  
    sellTaxes = Taxes(_rfi, _marketing, _ops, _liquidity, _dev);  
    emit FeesChanged();  
}
```



## Informational

Owner can withdraw any tokens from the contract, except the native DogeWar token.

When this function is present, in cases tokens sent into the contract by mistake or purposefully, contract's owner can retrieve them.

```
function rescueBNB(uint256 weiAmount) external onlyOwner {
    require(address(this).balance >= weiAmount, "insufficient BNB balance");
    payable(msg.sender).transfer(weiAmount);
}

function rescueAnyBEP20Tokens(address _tokenAddr, address _to, uint256 _amount) public onlyOwner {
    require(_tokenAddr != address(this), "Owner can't claim contract's balance of its own tokens");
    IBEP20(_tokenAddr).transfer(_to, _amount);
}
```

Owner can exclude address from fees.

When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function excludeFromFee(address account) public onlyOwner {
    _isExcludedFromFee[account] = true;
}

function bulkExcludeFee(address[] memory accounts, bool state) external onlyOwner {
    for (uint256 i = 0; i < accounts.length; i++) {
        _isExcludedFromFee[accounts[i]] = state;
    }
}
```



## Informational

Owner can exclude address from rewards.

```
function excludeFromReward(address account) public onlyOwner {
    require(!_isExcluded[account], "Account is already excluded");
    if (_rOwned[account] > 0) {
        _tOwned[account] = tokenFromReflection(_rOwned[account]);
    }
    _isExcluded[account] = true;
    _excluded.push(account);
}
```

There is initial launch tax of 99% for the first up to 4 blocks after enable trading is initiated.

```
Taxes private launchtax = Taxes(0, 99, 0, 0, 0);

function EnableTrading() external onlyOwner {
    require(!tradingEnabled, "Cannot re-enable trading");
    tradingEnabled = true;
    swapEnabled = true;
    genesis_block = block.number;
}

function updatedeadline(uint256 _deadline) external onlyOwner {
    require(!tradingEnabled, "Can't change when trading has started");
    require(_deadline < 5, "Deadline should be less than 5 Blocks");
    deadline = _deadline;
}

function _tokenTransfer(
    address sender,
    address recipient,
    uint256 tAmount,
    bool takeFee,
    bool isSell
) private {
    bool useLaunchTax = !_isExcludedFromFee[sender] &&
        !_isExcludedFromFee[recipient] &&
        block.number < genesis_block + deadline;
    .....
}
```



RECOMMENDATIONS FOR

# GOOD PRACTICES

---

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

## DogeWar III

### GOOD PRACTICES FOUND

- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot set a transaction limit



There is no information about the initial tokens distribution based on the project's whitepaper and/or website.

# TOKENOMICS





# THE TEAM

⚠ The team is anonymous

## KYC INFORMATION

### No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





# WEBSITE

## Website URL

<https://www.dogewariii.com/>

## Domain Registry

<https://www.namecheap.com>

## Domain Expiration

2024-04-03

## Technical SEO Test

Passed

## Security Test

Passed. SSL certificate present

## Design

Very nice design with appropriate color scheme and graphics.

## Content

The information helps new investors understand what the product does right away. No grammar mistakes found.

## Whitepaper

No

## Roadmap

Yes, goals set with time frames.

## Mobile-friendly?

Yes



# dogewariii.com

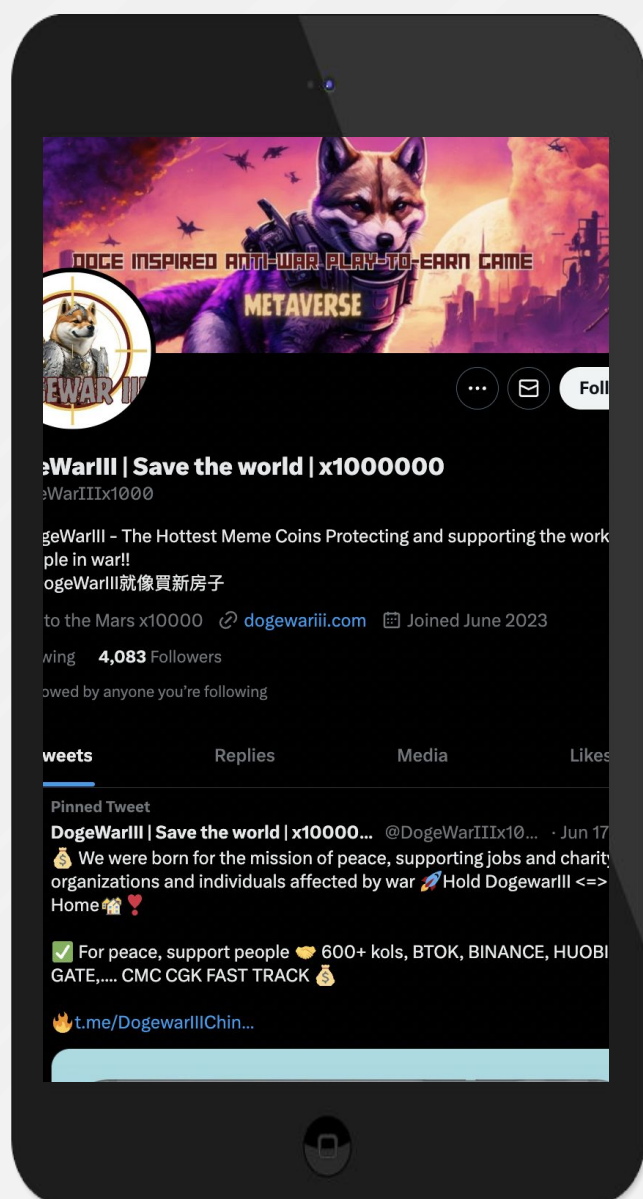


# SOCIAL MEDIA & ONLINE PRESENCE



## ANALYSIS

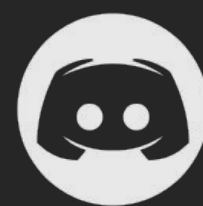
Project's social media pages are active



### Twitter

@DogeWarIIIx1000

- 3 958 followers
- Posts frequently
- Active



### Discord

<https://discord.com/invite/6x5Zpd4sDY>

- 3 members



### Telegram

@DogeWarIIIChinese

- 2 173 members
- Active members
- Active mods



### Medium

- Not available



# SPYWOLF

## CRYPTO SECURITY

Audits | KYCs | dApps  
Contract Development

## ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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- ✓ MORE THAN 500 SCAMS EXPOSED
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# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.